

### ABSTRACT

In the case of reducing an effect of variations in current characteristics of transistors by inputting a signal current to a transistor in a pixel, a potential of a wiring is detected by using a precharge circuit. In the case where there is a difference  
5 between a predetermined potential and the potential of the wiring, a charge is supplied to the wiring to perform a precharge by charging rapidly. When the potential of the wiring reaches the predetermined potential, the supply of charge is stopped and a signal current only is supplied. Thus, a precharge is performed only in a period until the potential of the wiring reaches the predetermined potential, therefore, a precharge can  
10 be performed for an optimal period.